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Subject: lambdas from vital rates

Per our discussion yesterday, here are some lambda that result from the sets of vital rates being used to parameterize HexSim. One could use these to estimate, based on the proportion so the landscape in each resource class, what the mean rate would be and then compare that against the projected trends to see how they line up. To simulated habitat growth, one option would be to see what it would take to move a hexagon from low to medium to high over time and then create some scenarios that increment the levels at appropriate time steps.

Here is the stage matrix for "low" resource target -- and the lambda value that would result (in blue)

0	0.07	0.202	0.33	
0.366	0	0	0	
0	0.544	0	0	
0	0	0.676	0.819	
0.243017	0.1001	0.061284	0.5956	0.888557

Here is the stage matrix for "medium" resource target -- and the lambda value that would result (in blue)

0	0.07	0.202	0.33	
0.499	0	0	0	
0	0.718	0	0	
0	0	0.811	0.849	
0.222768	0.114775	0.085087	0.577371	0.968517

Here it is for the "high" resource target:

0	0.07	0.202	0.33	
0.632	0	0	0	
0	0.795	0	0	
0	0	0.866	0.865	
0.209676	0.129751	0.101	0.559574	1.021308

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